

# Bay Area Air Quality Management District

939 Ellis Street  
San Francisco, CA 94109  
(415) 771-6000

---

## Proposed

# MAJOR FACILITY REVIEW PERMIT

Issued To:

**American Brass & Iron Foundry**  
**Facility #A0062**

**Facility Address:**

7825 San Leandro Street  
Oakland, CA 94621

**Mailing Address:**

7825 San Leandro Street  
Oakland, CA 94621

**Responsible Official**

Allan Boscacci, Owner

510-632-8035

**Facility Contact**

Dave Robinson,  
Environmental Engineering Manager  
510-632-3467

---

**Type of Facility:** Grey Iron Foundry  
**Primary SIC:** 3321  
**Product:** Cast iron pipe and fittings

BAAQMD Permit Division Contact:  
Dennis Jang

**ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

---

Ellen Garvey, Executive Officer/Air Pollution Control Officer

---

Date

## TABLE OF CONTENTS

I.	STANDARD CONDITIONS .....	3
II.	EQUIPMENT .....	7
III.	GENERALLY APPLICABLE REQUIREMENTS .....	11
IV.	SOURCE-SPECIFIC APPLICABLE REQUIREMENTS .....	13
V.	SCHEDULE OF COMPLIANCE .....	25
VI.	PERMIT CONDITIONS .....	25
VII.	APPLICABLE LIMITS AND COMPLIANCE MONITORING REQUIREMENTS ...	36
VIII.	TEST METHODS .....	49
IX.	GLOSSARY .....	50
X.	APPENDIX A - APPLICABLE STATE IMPLEMENTATION PLAN .....	54

## I. STANDARD CONDITIONS

### A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions

(as amended by the District Board on 11/15/00);

SIP Regulation 1 - General Provisions and Definitions

(as approved by EPA through 8/27/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on 11/15/00);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA through 2/25/99);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review

(as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration

(as approved by EPA through 2/25/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on 5/17/00); and

SIP Regulation 2, Rule 4 - Permits, Emissions Banking

(as approved by EPA through 2/25/99).

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review

(as amended by the District Board on 10/20/99).

### B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on [ ] and expires on [when issued, enter 5<sup>th</sup> anniversary of issue date]. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than [when issued, enter date 6 months prior to permit expiration date] and no earlier than [when issued, enter date 12 months prior to expiration date]. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after** [when issued, enter 5<sup>th</sup> anniversary of issue date]. (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

## **I. Standard Conditions**

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415, MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, nor any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)

### **C. Requirement to Pay Fees**

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

### **D. Inspection and Entry**

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

### **E. Records**

Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of entry. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

## **I. Standard Conditions**

### **F. Monitoring Reports**

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be [date of issuance] to [six months later]. The report shall be submitted by [one month after end of reporting period]. Subsequent reports shall be for the following periods: [\_\_\_\_ 1st through \_\_\_\_ 30th or 31st] and [\_\_\_\_ 1st through \_\_\_\_ 30th or 31st], and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement  
Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, CA 94109  
Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

### **G. Compliance Certification**

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be \_\_\_\_ 1st to \_\_\_\_ 30th or 31st. The certification shall be submitted by \_\_\_\_ 30th or 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

Director of the Air Division  
USEPA, Region IX  
75 Hawthorne Street  
San Francisco, CA 94105  
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

## **I. Standard Conditions**

### **H. Emergency Provisions**

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit caused by conditions beyond the permit holder's reasonable control by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. Any variance granted by the Hearing Board from any term or condition of this permit which lasts longer than 90 days will be subject to EPA approval. (MOP Volume II, Part 3, §4.8)
3. Notwithstanding the foregoing, the granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

### **I. Severability**

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

### **J. Miscellaneous Conditions**

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

## II. EQUIPMENT

**Table II A – Permitted Sources**

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
S-1	Cupola (coke)	AB&I	None	20 ton/hr 80 MM BTU/hr
S-2	Vibrating Tubular Shakeout	EDM	DMF	143 ton/hr
S-3	Sand Muller	Beardsley and Piper	80B	100 ton/hr
S-4	Shot Blast Cleaning Machine	Wheelabrator	Tumblast	5 ton/hr
S-5	Shot Blast Cleaning Machine	Pangborn	Rotoblast	5 ton/hr
S-11	Cupola Hot Blast (natural gas)	Fecor	Hot Blast	14.8 MM BTU/hr
S-13	Coating Dip Tank	AB&I	None	1,500 gallon
S-21	Sand Cooler	Simpson	MC-150	120 ton/hr
S-23	Pipe Coating Storage Tank	AB&I	None	9,400 gallon
S-24	Solvent Storage Tank	AB&I	None	5,900 gallon
S-25	Holding Furnace (electric)	AB&I	None	60 ton
S-26	Pipe Stencil Coating Wheel	AB&I	None	Unknown
S-27	Shot Blast Machine	Wheelabrator	Unknown	Unknown
S-28	Storage Silo	AB&I	None	1,800 cubic feet

## II. Equipment

**Table II B - Abatement Devices**

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Emission Limitation
A-1	Baghouse	S-1, A-8	BAAQMD Reg. 6-301	None	Ringelmann 1
A-1	Baghouse	S-1, A-8	BAAQMD Reg. 6-310	None	Grain loading not to exceed 0.15 gr/dscf
A-1	Baghouse	S-1, A-8	BAAQMD Reg. 6-311	None	$4.10P^{0.67}$ lb/hr, where P is source process weight in ton/hr
A-8	Afterburner	S-1	BAAQMD Condition 9351, part 1	Minimum exhaust gas temperature of 700°F	None
A-10	Baghouse	S-25	BAAQMD Reg. 6-301	None	Ringelmann 1
A-10	Baghouse	S-25	BAAQMD Reg. 6-310	None	Grain loading not to exceed 0.15 gr/dscf
A-10	Baghouse	S-25	BAAQMD Reg. 6-311	None	$4.10P^{0.67}$ lb/hr, where P is source process weight in ton/hr
A-11	Baghouse	S-1	BAAQMD Reg. 6-301	None	Ringelmann 1
A-11	Baghouse	S-1	BAAQMD Reg. 6-310	None	Grain loading not to exceed 0.15 gr/dscf
A-11	Baghouse	S-1	BAAQMD Reg. 6-311	None	$4.10P^{0.67}$ lb/hr, where P is source process weight in ton/hr



## II. Equipment List (continued)

### B. Abatement Device List (continued)

**Table II B - Abatement Devices**

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Emission Limitation
A-13	Bin Vent Dust Collector	S-28	BAAQMD Reg. 6-301	Minimum pressure drop of 3 inches water and maximum pressure drop of 8 inches water	Ringelmann 1
A-13	Bin Vent Dust Collector	S-28	BAAQMD Reg. 6-310	Minimum pressure drop of 3 inches water and maximum pressure drop of 8 inches water	Grain loading not to exceed 0.15 gr/dscf
A-13	Bin Vent Dust Collector	S-28	BAAQMD Reg. 6-311	Minimum pressure drop of 3 inches water and maximum pressure drop of 8 inches water	$4.10P^{0.67}$ lb/hr, where P is source process weight in ton/hr
A-14	Baghouse No. 2	S-2	BAAQMD Reg. 6-301	None	Ringelmann 1
A-14	Baghouse No. 2	S-2	BAAQMD Reg. 6-310	None	Grain loading not to exceed 0.15 gr/dscf
A-14	Baghouse No. 2	S-2	BAAQMD Reg. 6-311	None	$4.10P^{0.67}$ lb/hr, where P is source process weight in ton/hr
A-15	Baghouse No. 1	S-3, S-21	BAAQMD Condition 2237, part 4	None	Grain loading not to exceed 0.04 gr/dscf
A-15	Baghouse No. 1	S-3, S-21	BAAQMD Reg. 6-310	None	Grain loading not to exceed 0.15 gr/dscf

## II. Equipment List (continued)

### B. Abatement Device List (continued)

**Table II B - Abatement Devices**

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Emission Limitation
A-15	Baghouse No. 1	S-3, S-21	BAAQMD Reg. 6-311	None	$4.10P^{0.67}$ lb/hr, where P is source process weight in ton/hr
A-16	Baghouse No. 5	S-2	BAAQMD Reg. 6-310	None	Grain loading not to exceed 0.04 gr/dscf
A-16	Baghouse No. 5	S-2	BAAQMD Reg. 6-311	None	$4.10P^{0.67}$ lb/hr, where P is source process weight in ton/hr
A-17	Baghouse No. 3	S-4, S-5, S-27	BAAQMD Reg. 6-310	None	Grain loading not to exceed 0.15 gr/dscf
A-17	Baghouse No. 3	S-4, S-5, S-27	BAAQMD Reg. 6-311	None	$4.10P^{0.67}$ lb/hr, where P is source process weight in ton/hr
A-18	Baghouse No. 4	S-2	BAAQMD Reg. 6-310	None	Grain loading not to exceed 0.15 gr/dscf
A-18	Baghouse No. 4	S-2	BAAQMD Reg. 6-311	None	$4.10P^{0.67}$ lb/hr, where P is source process weight in ton/hr

### III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements would not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit.

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is included in Appendix A of this permit if the SIP requirement is different from the current BAAQMD requirement.

**NOTE:**

There are differences between the current BAAQMD rule and the version of the rule in the SIP. For specific information, contact the District's Rule Development Section of the Enforcement Division. All sources must comply with both versions of the rule until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

**Table III**  
**Generally Applicable Requirements**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>
BAAQMD Regulation 1	General Provisions and Definitions (11/15/00)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (11/2/94)	N
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	N

### III. Generally Applicable Requirements (continued)

**Table III**  
**Generally Applicable Requirements**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/20/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (12/20/95)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Y

#### IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. Additionally, where an applicable requirement is a SIP requirement, the full language of the SIP requirement is included in Appendix A of this permit. All other text may be found in the regulations themselves.

**Table IV-A**  
**Source-specific Applicable Requirements**  
**S-1 CUPOLA FURNACE**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	

## IV. Source-specific Applicable Requirements

**Table IV-A**  
**Source-specific Applicable Requirements**  
**S-1 CUPOLA FURNACE**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 11, Rule 1</b>	<b>Lead (3/17/82)</b>		
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Without Background	Y	
<b>BAAQMD Condition #9351</b>			
Part 1	Minimum S-1 Cupola exhaust temperature (basis: cumulative increase)	Y	
Part 2	S-1 Cupola exhaust temperature monitor and recorder (basis: cumulative increase, Regulation 1-521)	Y	
Part 3	Recordkeeping requirement (basis: cumulative increase, Regulation 2-6-501)	Y	
Part 4	SO <sub>2</sub> monitoring (basis: Regulation 9-1-302, Regulation 2-6-501)	Y	
Part 5	Visible emissions monitoring (basis: Regulation 6-301, Regulation 2-6-501)	Y	
Part 6	Baghouse maintenance (basis: Regulation 6-301, Regulation 2-6-501)	Y	
Part 7	Annual Gray Iron Throughput Limit (basis: Regulation 2-1-403)	Y	
Part 8	Material Throughput Records (basis: Regulation 2-1-403)	Y	

**Table IV-B**  
**Source-specific Applicable Requirements**  
**S-2 VIBRATING TUBULAR SHAKEOUT**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	

## IV. Source-specific Applicable Requirements

**Table IV-B**  
**Source-specific Applicable Requirements**  
**S-2 VIBRATING TUBULAR SHAKEOUT**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition #17097</b>			
Part 1	A-14 Baghouse No. 1, A-16 Baghouse No. 5, and A-18 Baghouse No. 4 Abatement Requirement (basis: cumulative increase)	Y	
Part 2	Baghouse maintenance (Regulation 6-301, Regulation 2-6-501)	Y	
Part 3	Visible emissions monitoring (Regulation 6-301, Regulation 2-6-501)	Y	

**Table IV-C**  
**Source-specific Applicable Requirements**  
**S-3 SAND MULLER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition #2237</b>			
Part 2	A-15 Baghouse No. 1 Abatement Requirement (basis: cumulative increase)	Y	

## IV. Source-specific Applicable Requirements

**Table IV-C**  
**Source-specific Applicable Requirements**  
**S-3 SAND MILLER**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
Part 6	Baghouse maintenance (Regulation 6-301, Regulation 2-6-501)	Y	
Part 7	Visible emissions monitoring (Regulation 6-301, Regulation 2-6-501)	Y	
Part 8	Annual Sand Throughput Limit (basis: Regulation 2-1-403)	Y	
Part 10	Material Throughput Records (basis: Regulation 2-1-403)	Y	

**Table IV-D**  
**Source-specific Applicable Requirements**  
**S-4 SHOT BLAST CLEANING MACHINES**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition #10139</b>			
Part 2	A-17 Baghouse No. 3 Abatement Requirement (basis: cumulative increase)	Y	
Part 3	Baghouse maintenance (Regulation 6-301, Regulation 2-6-501)	Y	
Part 4	Visible emissions monitoring (Regulation 6-301, Regulation 2-6-501)	Y	
Part 6	Annual Blast Media Throughput Limit (basis: Regulation 2-1-403)	Y	
Part 8	Material Throughput Records (basis: Regulation 2-1-403)	Y	



#### IV. Source-specific Applicable Requirements

**Table IV-E**  
**Source-specific Applicable Requirements**  
**S-5 SHOT BLAST CLEANING MACHINES**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition #10139</b>			
Part 2	A-17 Baghouse No. 3 Abatement Requirement (basis: cumulative increase)	Y	
Part 3	Baghouse maintenance (Regulation 6-301, Regulation 2-6-501)	Y	
Part 4	Visible emissions monitoring (Regulation 6-301, Regulation 2-6-501)	Y	
Part 7	Annual Blast Media Throughput Limit (basis: Regulation 2-1-403)	Y	
Part 8	Material Throughput Records (basis: Regulation 2-1-403)	Y	

**Table IV-F**  
**Source-specific Applicable Requirements**  
**S-11 CUPOLA HOT BLAST**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	

## IV. Source-specific Applicable Requirements

**Table IV-F**  
**Source-specific Applicable Requirements**  
**S-11 CUPOLA HOT BLAST**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
<b>BAAQMD Condition #17727</b>			
Part 1	Annual Heat Input limitation (basis: Regulation 2-1-403)	Y	
Part 3	Material Throughput Records (basis: Regulation 2-1-403)	Y	

**Table IV-G**  
**Source-specific Applicable Requirements**  
**S-13 DIP TANK**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 8, Rule 19</b>	<b>Surface Coating of Miscellaneous Metal Parts and Products</b>		
8-19-302	Limits	Y	
8-19-320	Solvent Evaporation Loss Minimization	Y	
8-19-501	Records	Y	
<b>BAAQMD Condition #17727</b>			
Part 2	Annual material throughput limitation (basis: Regulation 2-1-403)	Y	
Part 3	Material Throughout Records (basis: Regulation 2-1-403)	Y	

#### IV. Source-specific Applicable Requirements

**Table IV-H**  
**Source-specific Applicable Requirements**  
**S-20 COLD CLEANER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 16</b>	<b>Solvent Cleaning Operations (6/15/94)</b>		
8-16-303	Cold Cleaner Requirements	N	
8-16-304	Trichloroethylene Limitation	Y	
8-16-501	Solvent Records	Y	
<b>SIP Regulation 8, Rule 16</b>	<b>PROVISIONS NO LONGER IN CURRENT RULE Organic Compounds - Solvent Cleaning Operations (12/09/94)</b>		
8-16-303	Cold Cleaner Requirements	Y <sup>1</sup>	
8-16-303.1.6	Solvent Spray	Y <sup>1</sup>	
8-16-501	Solvent Records	Y <sup>1</sup>	
8-16-501.1	Trichloroethylene	Y <sup>1</sup>	
8-16-501.2	All Other Solvents	Y <sup>1</sup>	

**Table IV-I**  
**Source-specific Applicable Requirements**  
**S-21 SAND COOLER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition #2237</b>			

## IV. Source-specific Applicable Requirements

**Table IV-I**  
**Source-specific Applicable Requirements**  
**S-21 SAND COOLER**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
Part 1	Limitation on Annual Material Throughput (basis: cumulative increase)	Y	
Part 2	A-15 Baghouse No. 1 Abatement Requirement (basis: cumulative increase)	Y	
Part 3	A-15 Baghouse No. 1 Maintenance Requirement (basis: cumulative increase)	Y	
Part 4	Limitation on A-15 Baghouse No. 1 Outlet Grain Loading (basis: cumulative increase)	Y	
Part 5	Recordkeeping Requirement (basis: cumulative increase, Regulation 2-6-501)	Y	
Part 6	Baghouse maintenance (Regulation 6-301, Regulation 2-6-501)	Y	
Part 7	Visible emissions monitoring (Regulation 6-301, Regulation 2-6-501)	Y	
Part 9	Annual Sand Throughput Limit (basis: Regulation 2-1-403)	Y	
Part 10	Material Throughput Records (basis: Regulation 2-1-403)	Y	

## IV. Source-specific Applicable Requirements

**Table IV-J**  
**Source-specific Applicable Requirements**  
**S-23 COATING STORAGE TANK**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 8, Rule 5</b>	<b>Storage of Organic Liquids (1/1/93)</b>		
8-5-301	Standards – Storage Tanks Smaller than 150m <sup>3</sup>	Y	
8-5-328	Tank Cleaning Requirements	Y	
8-5-501	Records	Y	
<b>BAAQMD Condition #6575</b>			
Part 1	Limitation on Annual Material Throughput for S-23 (basis: cumulative increase)	Y	
Part 2	Specification of Material Stored at S-23 (basis: cumulative increase)	Y	
Part 5	Recordkeeping Requirement (basis: cumulative increase, Regulation 2-6-501)	Y	

**Table IV-K**  
**Source-specific Applicable Requirements**  
**S-24 SOLVENT STORAGE TANK**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 8, Rule 5</b>	<b>Storage of Organic Liquids (1/1/93)</b>		
8-5-301	Standards – Storage Tanks Smaller than 150m <sup>3</sup>	Y	
8-5-328	Tank Cleaning Requirements	Y	
8-5-501	Records	Y	

#### IV. Source-specific Applicable Requirements

**Table IV-K**  
**Source-specific Applicable Requirements**  
**S-24 SOLVENT STORAGE TANK**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Condition #6575</b>			
Part 3	Limitation on Annual Material Throughput for S-24 (basis: cumulative increase)	Y	
Part 4	Specification of Material Stored at S-24 (basis: cumulative increase)	Y	
Part 5	Recordkeeping Requirement (basis: cumulative increase, Regulation 2-6-501)	Y	

**Table IV-L**  
**Source-specific Applicable Requirements**  
**S-25 HOLDING FURNACE**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition #9668</b>			
Part 1	A-10 Dust Collector Abatement Requirement (basis: cumulative increase)	Y	
Part 2	A-10 Dust Collector Maintenance Requirement (basis: cumulative increase)	Y	
Part 3	Baghouse maintenance (Regulation 6-301, Regulation 2-6-501)	Y	

#### IV. Source-specific Applicable Requirements

**Table IV-L**  
**Source-specific Applicable Requirements**  
**S-25 HOLDING FURNACE**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
Part 4	Visible emissions monitoring (Regulation 6-301, Regulation 2-6-501)	Y	
Part 5	Annual Gray Iron Throughput Limit (basis: Regulation 2-1-403)	Y	
Part 6	Material Throughput Records (basis: Regulation 2-1-403)	Y	

**Table IV-M**  
**Source-specific Applicable Requirements**  
**S-26 STENCIL COATING WHEEL**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 8, Rule 4</b>	<b>General Solvent and Surface Coating Operations (5/15/96)</b>		
8-4-302	Solvents and Surface Coating Requirements	Y	
8-4-302.1	Annual VOC Mass Emission Limitation	Y	
<b>BAAQMD Condition #11090</b>			
Part 1	Limitation on Annual Net Coating Usage at S-26 (basis: cumulative increase)	Y	
Part 2	Recordkeeping Requirement (basis: cumulative increase, Regulation 2-6-501)	Y	

## IV. Source-specific Applicable Requirements

**Table IV-N**  
**Source-specific Applicable Requirements**  
**S-28 STORAGE SILO**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition #10762</b>			
Part 1	A-13 Baghouse Abatement Requirement (basis: cumulative increase)	Y	
Part 2	A-13 Baghouse pressure gauge requirement (basis: Regulation 2-1-403)	Y	
Part 3	A-13 Baghouse Inspection and Maintenance Requirement (basis: Regulation 2-1-403)	Y	
Part 4	Weekly Inspection and Maintenance Recordkeeping Requirement (basis: Regulation 6-301, Regulation 2-6-501)	Y	
Part 5	Visible emissions monitoring (Regulation 6-301, Regulation 2-6-501)	Y	
Part 6	Throughput limit (basis: 2-1-403)	Y	
Part 7	Monthly Material Throughput Recordkeeping Requirement (basis: cumulative increase)	Y	



## V. SCHEDULE OF COMPLIANCE

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit.

## VI. PERMIT CONDITIONS

All conditions are federally enforceable.

### A. Source-Specific Permit Conditions

#### Condition #2237

For S-3 SAND MULLER and S-21 SAND COOLER

1. Total good iron casting at this facility shall not exceed 36,000 tons in any consecutive month period. (basis: cumulative increase)
2. S-3 Sand Muller and S-21 Sand Cooler shall be continuously abated by A-15 Baghouse No. 1, Pulse Jet, U.S. Air Filtration Model 4614-PT-120-6, during all periods of operation. (basis: cumulative increase)
3. A-15 Baghouse No. 1 shall be maintained in good operating condition at all times according to manufacturers' and /or District recommendations. (basis: cumulative increase)
4. The outlet grain loading of A-15 Baghouse No. 1 shall not exceed 0.04 gr/dscf. (basis: cumulative increase)
5. American Brass & Iron Foundry (plant 62) shall maintain monthly records of good iron casting production in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (basis: cumulative increase, BAAQMD Regulation 2-6-501)
6. The owner/operator of S-21 shall maintain weekly records of preventive maintenance inspections of A-15 Baghouse No. 1. The preventive maintenance inspection reports shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. (basis: BAAQMD regulation 6-301,

## VI. Permit Conditions

### BAAQMD Regulation 2-6-501)

#### **Condition #2237**

##### **For S-3 SAND MULLER and S-21 SAND COOLER**

7. The owner/operator of S-21 shall maintain weekly records of qualitative visible emissions data of A-15 Baghouse No. 1 using EPA Method 22 . The records of visible emissions data shall be retained on site for a minimum of five years from the date of entry and be made available to district representatives upon request. (basis: BAAQMD Regulation 6-301, BAAQMD Regulation 2-6-501)
8. The annual gross sand throughput at S-3 Sand Muller shall not exceed 480,000 tons totaled over any consecutive twelve month period.
9. The annual gross sand throughput at S-21 Sand Cooler shall not exceed 480,000 tons totaled over any consecutive twelve month period.
10. Unless otherwise indicated in specific permit conditions, the operator shall maintain the following records for S-3 Sand Muller and S-21 Sand Cooler:
  - a. monthly material throughput
  - b. total material throughput for the preceding 12 months  
(basis: Regulation 2-1-403)

#### **Condition #6575**

##### **For S-23 Coating Storage Tank and S-24 Solvent Storage Tank**

1. Total throughput at S-23 shall not exceed 110,000 gallons in any consecutive twelve-month period. (basis: cumulative increase)
2. S-23 shall only store cutback asphalt. (basis: cumulative increase)
3. Total throughput at S-24 shall not exceed 20,000 gallons in any consecutive twelve-month period. (basis: cumulative increase)
4. S-24 shall only store mineral spirits. (basis: cumulative increase)
5. The owner/operator of S-23 and S-24 shall maintain records of cutback asphalt and

## VI. Permit Conditions

mineral spirits throughput on a monthly basis in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (basis: cumulative increase, BAAQMD Regulation 2-6-501)

### Condition #9351

#### For S-1 CUPOLA

1. A minimum temperature of 700°F shall be maintained at the S-1 Cupola exhaust “crossover”, located upstream of the quench tower, except when S-1 Cupola is idling or is shutdown. (basis: cumulative increase)
2. To demonstrate compliance with part 1, the owner/operator of S-1 shall install, operate, and maintain a continuous temperature monitor and recorder to measure and record the A-1 exhaust gas temperature at the “crossover” located upstream of the quench tower. (basis: cumulative increase, Regulation 1-521)
3. The temperature records required in part 2 shall be retained on site for a minimum of five years from the date of record and made available to District representatives upon request. (basis: cumulative increase, BAAQMD Regulation 2-6-501)
4. The sulfur content of the coke used at S-1, Cupola, shall not exceed 1.0 percent by weight as a surrogate means for ensuring compliance with BAAQMD Regulation 9-1-302. The owner/operator will obtain a certification of the sulfur content of the coke for each delivery to assure compliance with this condition. The fuel certification records shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. In the event the coke sulfur content exceeds 1.0 percent by weight, the owner/operator shall arrange for a one time source test of S-1 at the time said coke is used to demonstrate that higher level of coke sulfur content will not produce gas stream emissions at A-1 Baghouse that will exceed the limit established in BAAQMD Regulation 9-1-302.

If the sulfur dioxide emissions do not exceed the limit, the owner/operator shall be allowed to use coke with a sulfur content at or below the sulfur content of the coke used for the source test. In the event the coke sulfur content exceeds the new limit for coke sulfur content established in the source test, the owner/operator shall again arrange for a one time source test of S-1 at the time said coke is used to demonstrate that higher level of coke sulfur content will not produce gas stream emissions at A-1 Baghouse that will exceed the limit established in BAAQMD Regulation 9-1-302.

## **VI. Permit Conditions**

## VI. Permit Conditions

### Condition #9351

#### For S-1 CUPOLA

- The owner/operator shall notify the Source Test Group at the BAAQMD at least three days before any source test is performed. (basis: BAAQMD Regulation 9-1-302, BAAQMD Regulation 2-6-501)
5. The owner/operator of S-1 shall maintain weekly records of qualitative visible emissions data of A-1 Baghouse and A-11 Baghouse using EPA Method 22 . The records of visible emissions data shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. (basis: BAAQMD Regulation 6-301, BAAQMD Regulation 2-6-501)
  6. The owner/operator of S-1 shall maintain weekly records of preventive maintenance inspections of A-1 Baghouse and A-11 Baghouse. The preventive maintenance inspection reports shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. (basis: BAAQMD Regulation 6-301, BAAQMD Regulation 2-6-501)
  7. The annual gray iron throughput for S-1 Cupola shall not exceed 76,000 tons totaled over any consecutive twelve month period. (basis: Regulation 2-1-403)
  8. Unless otherwise indicated in specific permit conditions, the operator shall maintain the following records for each permitted source:
    - a. monthly material throughput
    - b. total material throughput for the preceding 12 months(basis: Regulation 2-1-403)

### Condition #9668

#### For S-25 HOLDING FURNACE

1. S-25 Holding Furnace and its associated charging launder shall be abated by A-10 Dust Collector at all times. (basis: cumulative increase)
2. A-10 Dust Collector shall be maintained in good operating conditions at all times according to manufacturer's recommendations. (basis: cumulative increase)

## VI. Permit Conditions

### Condition #9668

#### For S-25 HOLDING FURNACE

3. The owner/operator of S-25 shall maintain weekly records of preventive maintenance inspections of A-10 Dust Collector. The preventive maintenance inspection reports shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. (basis: BAAQMD Regulation 6-301, BAAQMD Regulation 2-6-501)
4. The owner/operator of S-25 shall maintain weekly records of qualitative visible emissions data of A-10 Dust Collector using EPA Method 22 . The records of visible emissions data shall be retained on site for a minimum of five years from the date of entry and be made available to district representatives upon request. (basis: BAAQMD Regulation 6-301, BAAQMD Regulation 2-6-501)
5. The annual gray iron throughput for S-25 Holding Furnace shall not exceed 76,000 tons totaled over any consecutive twelve month period. (basis: Regulation 2-1-403)
6. Unless otherwise indicated in specific permit conditions, the operator shall maintain the following records for S-25 Holding Furnace:
  - a. monthly material throughput
  - b. total material throughput for the preceding 12 months(basis: Regulation 2-1-403)

### Condition #10139

#### For S-4 SHOT BLAST CLEANING MACHINE, S-5 SHOT BLAST CLEANING MACHINE, AND S-27 SHOT BLASTING MACHINE

1. Total shot throughput at S-27 Wheelabrator Shot Blasting Machine shall not exceed 36 tons in any consecutive twelve month period. (basis: cumulative increase)
2. S-4 Shot Blast Cleaning Machine, S-5 Shot Blast Cleaning Machine, and S-27 Wheelabrator Shot Blasting Machine shall be abated by A-17 Baghouse No. 3 during all periods of operation. (basis: cumulative increase)

## VI. Permit Conditions

3. The owner/operator of S-4, S-5, and S-27 shall maintain weekly records of preventive maintenance inspections of A-17 Baghouse No. 3. The preventive maintenance inspection reports shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. (basis: BAAQMD Regulation 6-301, BAAQMD Regulation 2-6-501)

### **Condition #10139**

For **S-4 SHOT BLAST CLEANING MACHINE, S-5 SHOT BLAST CLEANING MACHINE, AND S-27 SHOT BLASTING MACHINE**

4. The owner/operator of S-4, S-5, and S-27 shall maintain weekly records of qualitative visible emissions data of A-17 Baghouse No. 3 using EPA Method 22 . The records of visible emissions data shall be retained on site for a minimum of five years from the date of entry and be made available to district representatives upon request. (basis: BAAQMD Regulation 6-301, BAAQMD Regulation 2-6-501)
5. The owner/operator of S-27 shall maintain records of shot throughput on a monthly basis in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (basis: cumulative increase, BAAQMD Regulation 2-6-501)
6. The total gross blast media throughput for S-4 Shot Blast Cleaning Machine shall not exceed 4,600 tons totaled over any consecutive twelve-month period. (basis: Regulation 2-1-403)
7. The total gross blast media throughput for S-5 Shot Blast Cleaning Machine shall not exceed 2,800 tons totaled over any consecutive twelve-month period. (basis: Regulation 2-1-403)
8. Unless otherwise indicated in specific permit conditions, the operator shall maintain the following records for S-4 and S-5 Shot Blast Cleaning Machines:  
a. monthly material throughput  
b. total material throughput for the preceding 12 months  
(basis: Regulation 2-1-403)

### **Condition #10762**

For **S-28 STORAGE SILO**

## VI. Permit Conditions

1. All particulate matter emissions from S-28 Storage Silo shall be routed to A-13 Pulse Jet Dust Collector. (basis: cumulative increase)
2. A-13 Pulse Jet Dust Collector shall be equipped with a pressure gauge that measures the pressure drop across the fabric filters. The pressure gauge shall be checked for plugging at least once every three months (basis: Regulation 2-1-403)

### Condition #10762

#### For S-28 STORAGE SILO

3. A-13 Pulse Jet Dust Collector shall be inspected on a weekly basis to ensure proper operation. The following items shall be inspected:
  - a) The pressure drop across the fabric filters. The pressure drop shall be no less than 3 inches of water and no greater than 8 inches of water.
  - b) The dust collector exhaust shall be inspected for evidence of particulate matter breakthrough. If breakthrough is evident from observation of visible plumes, dust buildup near the stack outlet, or abnormal pressure drops, the filter bags shall be inspected for any tears, holes, abrasions, or scuffs, and replaced as needed.
  - c) The pulsejet cleaning system shall be maintained and operated at sufficient intervals to ensure compliance with part (a) of this condition.  
(basis: Regulation 2-1-403)
4. To demonstrate compliance with the above permit conditions, the owner/operator of A-13 Pulse Jet Dust Collector shall maintain weekly records of all inspections and maintenance work including filter bag replacements in a District-approved log. The records shall include the date of each inspection and the initials of the inspector. These records shall be kept on site and made available for District inspection for a minimum of ~~two~~ five years from the date of entry. (basis: BAAQMD Regulation 6-301, BAAQMD Regulation 2-6-501)
5. The owner/operator of S-28 shall maintain weekly records of qualitative visible emissions data of A-13 Baghouse using EPA Method 22 . The records of visible emissions data shall be retained on site for a minimum of five years from the date of entry and be made available to district representatives upon request. (basis: BAAQMD Regulation 6-301, BAAQMD Regulation 2-6-501)
6. The throughput for S-28 Storage Silo shall not exceed 900 tons totaled over any



## VI. Permit Conditions

consecutive twelve month period. (basis: Regulation 2-1-403)

7. Unless otherwise indicated in specific permit conditions, the operator shall maintain the following records for S-28 Storage Silo:

- a. monthly material throughput
- b. total material throughput for the preceding 12 months (basis: Regulation 2-1-403)

These records shall be retained on-site for a minimum of five years from the date of entry and made available to District representatives upon request.

### **Condition #11090**

#### **For S-26 STENCIL COATER**

1. Net stencil coating usage at S-26 shall not exceed 450 gallons during any consecutive twelve-month period. (basis: cumulative increase)
2. The owner/operator of S-26 shall maintain records of net stencil coating usage on a monthly basis in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (basis: cumulative increase, BAAQMD Regulation 2-6-501)

### **Condition #17097**

#### **For S-2 VIBRATING TUBULAR SHAKEOUT**

1. S-2 Vibrating Tubular Shakeout shall be abated by A-14 Baghouse No. 2, A-16 Baghouse No. 5, and A-18 Baghouse No. 6 during all periods of operation. (basis: cumulative increase)
2. The owner/operator of S-2 shall maintain weekly records of preventive maintenance inspections of A-14 Baghouse No. 1, A-16 Baghouse No. 5, and A-18 Baghouse No. 6. The preventive maintenance inspection reports shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. (basis: BAAQMD Regulation 6-301, BAAQMD Regulation 2-6-501)
3. The owner/operator of S-2 shall maintain weekly records of qualitative visible emissions data of A-15 Baghouse No. 1, A-16 Baghouse No. 5, and A-18 Baghouse No. 6 using EPA Method 22. The records of visible emissions data shall be retained on site for a minimum of five years from the date of entry and be made available to district

## VI. Permit Conditions

representatives upon request. (basis: BAAQMD Regulation 6-301, BAAQMD Regulation 2-6-501)

4. The annual gross sand throughput for S-2 Vibrating Tubular Shakeout shall not exceed 572,000 tons totaled over any consecutive twelve month period. (basis: Regulation 2-1-403)

### Condition #17097

#### For S-2 VIBRATING TUBULAR SHAKEOUT

5. Unless otherwise indicated in specific permit conditions, the operator shall maintain the following records for S-2 Vibrating Tubular Shakeout:
  - a. monthly material throughput
  - b. total material throughput for the preceding 12 months(basis: Regulation 2-1-403)

### Condition #17727

#### For S-11 CUPOLA HOT BLAST AND S-13 COATING DIP TANK

1. The annual heat input to S-11 Cupola Hot Blast shall not exceed 56,240 MM BTU totaled over any consecutive twelve month period. (basis: Regulation 2-1-403)
2. Annual net coating usage at S-13 Coating Dip Tank shall not exceed 50,000 gallons totaled over any consecutive twelve month period. (basis: Regulation 2-1-403)
4. Unless otherwise indicated in specific permit conditions, the operator shall maintain the following records for each permitted source:
  - c. monthly material throughput
  - d. total material throughput for the preceding 12 months(basis: Regulation 2-1-403)

## **VI. Permit Conditions**

### **B. Facility-Wide Permit Conditions**

None

## VII. APPLICABLE LIMITS AND COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, either annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

**Table VII-A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-1 CUPOLA**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD 6-301	Y		Ringelmann No.1	BAAQMD Condition #9351, part 2	C	Temperature monitor
	BAAQMD 6-301	Y		Ringelmann No.1	BAAQMD Condition #9351, part 5	P/W	Visible Emission Monitoring
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #9351, part 6	P/W	Preventive Maintenance Records
	BAAQMD 6-311	Y		4.10P <sup>0.67</sup> lb/hr, where P is process weight in ton/hr	BAAQMD Condition #9351, part 6	P/W	Preventive Maintenance Records
	BAAQMD Condition #9351, part 1	Y		900° F. minimum at cupola exhaust crossover	BAAQMD Condition #9351, part 2	C	Temperature monitor

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-1 CUPOLA**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D Condition #9351, part 7	Y		76,000 tons per year gray iron throughput	BAAQMD Condition #9351, part 8	P/M	Records
SO <sub>2</sub>	BAAQM D 9-1-301	Y		GLC <sup>1</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQM D 9-1-302	Y		300 ppm (dry)	BAAQMD Condition #9351, part 4	P/E	Sulfur Content of Coke
Lead	BAAQM D 11-1-301	Y		15 lb/day		N	
	BAAQM D 11-1-302	Y		Ground level concentration not to exceed 1.0 ug/m <sup>3</sup> averaged over 24 hrs		N	

<sup>1</sup> Ground Level Concentration

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-B**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-2 VIBRATING TUBULAR SHAKEOUT**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	Y		Ringelmann No.1	BAAQMD Condition #17097, part 2	P/W	Preventive maintenance records
				Ringelmann No.1	BAAQMD Condition #17097, part 3	P/W	Visible Emission Monitoring
	BAAQM D 6-310	Y		0.15 gr/dscf	BAAQMD Condition #17097, part 2	P/W	Preventive maintenance records
	BAAQM D 6-311	Y		4.10P <sup>0.67</sup> lb/hr, where P is process weight in ton/hr	BAAQMD Condition #17097, part 2	P/W	Preventive maintenance records
	BAAQM D Condition #17097, part 4	Y		572,000 tons per year sand throughput	BAAQMD Condition #17097, part 5	P/M	Records

**Table VII-C**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-3 SAND MULLER**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	Y		Ringelmann No.1	BAAQMD Condition #2237, part 6	P/W	Preventive maintenance records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-C**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-3 SAND MULLER**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				Ringelmann No.1	BAAQMD Condition #2237, part 7	P/W	Visible Emission Monitoring
TSP	BAAQM D 6-310	Y		0.15 gr/dscf	BAAQMD Condition #2237, part 6	P/W	Preventive maintenance records
	BAAQM D 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight in ton/hr	BAAQMD Condition #2237, part 6	P/W	Preventive maintenance records
	BAAQM D Condition #2237, part 1	Y		36,000 tons good iron/month for entire facility	BAAQMD Condition #2237, part 5	P/M	records
	BAAQM D Condition #2237, part 8	Y		480,000 tons per year sand throughput	BAAQMD Condition #2237, part 10	P/M	Records

**Table VII-D**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-4 SHOT BLAST CLEANING MACHINES**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	Y		Ringelmann No.1	BAAQMD Condition #10139, part 4	P/W	Visible Emission Monitoring

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-D**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-4 SHOT BLAST CLEANING MACHINES**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQM D 6-310	Y		0.15 gr/dscf	BAAQMD Condition #10139, part 3	P/W	Preventive maintenance records
	BAAQM D 6-311	Y		4.10P <sup>0.67</sup> lb/hr, where P is process weight in ton/hr	BAAQMD Condition #10139, part 3	P/W	Preventive maintenance records
TSP	BAAQM D Condition #10139, part 6	Y		4,600 tons per year blast media throughput	BAAQMD Condition #10139, part 8	P/M	Records

**Table VII-E**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-5 SHOT BLAST CLEANING MACHINES**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	Y		Ringelmann No.1	BAAQMD Condition #10139, part 4	P/W	Visible Emission Monitoring
	BAAQM D 6-310	Y		0.15 gr/dscf	BAAQMD Condition #10139, part 3	P/W	Preventive maintenance records
	BAAQM D 6-311	Y		4.10P <sup>0.67</sup> lb/hr, where P is process weight in ton/hr	BAAQMD Condition #10139, part 3	P/W	Preventive maintenance records



## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-E**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-5 SHOT BLAST CLEANING MACHINES**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQM D Condition #10139, part 7	Y		2,800 tons per year blast media throughput	BAAQMD Condition #10139, part 8	P/M	Records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-F**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-11 CUPOLA HOT BLAST**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	Y		Ringelmann No.1		N	
	BAAQM D 6-310	Y		0.15 gr/dscf		N	
	BAAQM D 6-311	Y		4.10P <sup>0.67</sup> lb/hr, where P is process weight in ton/hr		N	
	BAAQM D Condition #17727, part 1	Y		56,240 MM BTU per year	BAAQMD Condition #17727, part 3	P/M	Records
SO <sub>2</sub>	BAAQM D 9-1-301	Y		GLC <sup>1</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQM D 9-1-302	Y		300 ppm (dry)		N	

**Table VII-G**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-13 DIP TANK**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQM D 8-19-302	Y		Coating VOC Content Limit of 2.8 lb/gal	8-19-501	P/W	Coating records

## VII. Applicable Limits and Compliance Monitoring Requirements

	BAAQM D Condition #17727, part 2	Y		50,000 gallons of coating per year	BAAQMD Condition #17727, part 3	P/M	Records
--	--	---	--	---------------------------------------	---------------------------------------	-----	---------

**Table VII-H**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-21 SAND COOLER**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	Y		Ringelmann No.1	BAAQMD Condition #2237, part 6	P/W	Preventive maintenance records
				Ringelmann No.1	BAAQMD Condition #2237, part 7	P/W	Visible Emission Monitoring
	BAAQM D 6-310	Y		0.15 gr/dscf	BAAQMD Condition #2237, part 6	P/W	Preventive maintenance records
	BAAQM D 6-311	Y		4.10P <sup>0.67</sup> lb/hr, where P is process weight in ton/hr	BAAQMD Condition #2237, part 6	P/W	Preventive maintenance records
	BAAQM D Condition #2237, Part 4	Y		0.04 gr/dscf	BAAQMD Condition #2237, part 6	P/W	Preventive maintenance records
	BAAQM D Condition #2237, part 6	Y		36,000 tons good iron/month for entire facility	BAAQMD Condition #2237, part 5	P/M	records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-H**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-21 SAND COOLER**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQM D Condition #2237, part 9	Y		480,000 tons per year sand throughput	BAAQMD Condition #2237, part 10	P/M	Records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-I**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-23 COATING STORAGE TANK**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQM D Condition #6575, part 1	Y		110,000 gallons per year coating throughput	BAAQMD Condition #6575, part 5	P/M	Coating records

**Table VII-J**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-24 SOLVENT STORAGE TANK**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQM D Condition #6575, part 3	Y		20,000 gallons per year solvent throughput	BAAQMD Condition #6575, part 5	P/M	Coating records

**Table VII-K**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-25 HOLDING FURNACE**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	Y		Ringelmann No.1	BAAQMD Condition #9668, part 2	P/W	Preventive Maintenance Records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-K**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-25 HOLDING FURNACE**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				Ringelmann No.1	BAAQMD Condition #9668, part 4	P/W	Visible Emission Monitoring
TSP	BAAQM D 6-310	Y		0.15 gr/dscf	BAAQMD Condition #9668, part 2	P/W	Preventive Maintenance Records
	BAAQM D 6-311	Y		4.10P <sup>0.67</sup> lb/hr, where P is process weight in ton/hr	BAAQMD Condition #9668, part 2	P/W	Preventive Maintenance Records
	BAAQM D Condition #9668, part 5	Y		76,000 tons per year gray iron throughput	BAAQMD Condition #9668, part 6	P/M	Records

**Table VII-L**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-26 STENCIL COATING WHEEL**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQM D 8-4-302.1	Y		5 ton/year	BAAQMD Condition #11090, part 2	P/M	Coating records
	BAAQM D Condition #11090, part 1	Y		450 gal/yr	BAAQMD Condition #11090, part 2	P/M	Coating records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-M**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-27 SHOT BLAST CLEANING MACHINE**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	Y		Ringelmann No.1	BAAQMD Condition #10139, part 3	P/W	Preventive Maintenance Records
				Ringelmann No.1	BAAQMD Condition #10139, part 4	P/W	Visible Emission Monitoring
	BAAQM D 6-310	Y		0.15 gr/dscf	BAAQMD Condition #10139, part 3	P/W	Preventive Maintenance Records
				0.15 gr/dscf	BAAQMD Condition #10139, part 4	P/W	Visible Emission Monitoring
	BAAQM D 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight in ton/hr	BAAQMD Condition #10139, part 3	P/W	Preventive Maintenance Records
TSP				$4.10P^{0.67}$ lb/hr, where P is process weight in ton/hr	BAAQMD Condition #10139, part 4	P/W	Visible Emission Monitoring
	BAAQM D Condition #10139, part 1	Y		36 tons shot/yr	BAAQMD Condition #10139, part 5	P/M	Records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-N**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-28 STORAGE SILO**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	Y		Ringelmann No.1	BAAQMD Condition #10762, part 4	P/W	Preventive maintenance records
				Ringelmann No.1	BAAQMD Condition #10762, part 5	P/W	Visible Emission Monitoring
				Ringelmann No.1	BAAQMD Condition #10762, part 3	P/W	Pressure Drop Monitoring
	BAAQM D 6-310	Y		0.15 gr/dscf	BAAQMD Condition #10762, part 4	P/W	Preventive maintenance records
	BAAQM D 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight in ton/hr	BAAQMD Condition #10762, part 4	P/W	Preventive maintenance records
	BAAQM D Condition #10762, part 7	Y		900 tons per year material throughput	BAAQMD Condition #10762, part 8	P/M	Records



## VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

**Table VII**

<b>Applicable Requirement</b>	<b>Description of Requirement</b>	<b>Acceptable Test Methods</b>
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 11-1-301	Daily Limitation, Lead	Manual of Procedures, Volume IV, ST-9, Lead
BAAQMD 12-4-301	Ringelmann 1 Limitation	Manual of Procedures, Volume I, Part 1, Evaluation of Visible Emissions
BAAQMD 12-4-302	Ringelmann 2 Limitation	Manual of Procedures, Volume I, Part 1, Evaluation of Visible Emissions
BAAQMD 12-4-305.1	Standard for abrasives before blasting	Test Method No. California 371-A
BAAQMD 12-4-305.1	Standard for abrasives after blasting	Test Method No. California 371-A
BAAQMD Condition #2237, Part 4	Limitation on A-7 Scrubber Outlet Grain Loading	Manual of Procedures, Volume IV, ST-15, Particulates Sampling

## **IX. GLOSSARY**

### **BAAQMD**

Bay Area Air Quality Management District

### **BACT**

Best Available Control Technology

### **CAA**

The federal Clean Air Act

### **CAAQS**

California Ambient Air Quality Standards

### **CEQA**

California Environmental Quality Act

### **CFR**

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

### **CO**

Carbon Monoxide

### **Cumulative Increase**

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

### **District**

The Bay Area Air Quality Management District

### **EPA**

The federal Environmental Protection Agency.

### **Excluded**

Not subject to any District Regulations.

## **X. Glossary**

### **Federally Enforceable, FE**

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPS), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

### **HAP**

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

### **Major Facility**

A facility with potential emissions of regulated air pollutants greater than or equal to 100 tons per year, greater than or equal to 10 tons per year of any single hazardous air pollutant, and/or greater than or equal to 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

### **MFR**

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

### **MOP**

The District's Manual of Procedures.

### **NAAQS**

National Ambient Air Quality Standards

### **NESHAPS**

National Emission Standards for Hazardous Air Pollutants. Contained in 40 CFR Part 61.

### **NMHC**

Non-methane Hydrocarbons

### **NO<sub>x</sub>**

Oxides of nitrogen.

### **NSPS**

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by both 40 CFR Part 60 and District Regulation 10.

## **X. Glossary**

### **NSR**

New Source Review. A federal program for preconstruction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

### **Offset Requirement**

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NO<sub>x</sub>, PM<sub>10</sub>, and SO<sub>2</sub>.

### **Phase II Acid Rain Facility**

A facility that generates electricity for sale through fossil-fuel combustion and by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V of the Clean Air Act.

### **POC**

Precursor Organic Compounds

### **PM**

Total Particulate Matter

### **PM<sub>10</sub>**

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

### **PSD**

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

### **SIP**

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

### **SO<sub>2</sub>**

## **X. Glossary**

Sulfur dioxide

### **Title V**

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

### **TSP**

Total Suspended Particulate

### **VOC**

Volatile Organic Compounds

### **Units of Measure:**

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m <sup>2</sup>	=	square meter
min	=	minute
mm	=	million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

**X. APPENDIX A - APPLICABLE STATE IMPLEMENTATION PLAN**

See Attachments